

Notice of Allowability

Application No.

10/002,984

Examiner

Philip B. Tran

Applicant(s)

SUTO, EIZO

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/19/2005.
2. ☒ The allowed claim(s) is/are 1-3,6-8 and 11-13.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 8/16/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date attached.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Philip Tran
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Folker (Reg. No. 37,538), the undersigned, on December 08, 2005. The application has been amended as follows:

IN THE CLAIMS:

Claims 5 and 10 have been canceled.

Claims 1-3, 6-8 and 11-13 have been amended.

Claim 1 has been amended as follows:

1. (Currently Amended) A communication traffic control system **comprising:** on
~~a LAN of a CSMA/CD type having servers and clients connected thereto, comprising:~~

**a local area network (LAN) of a carrier sense multiple access with collision
detection system (CSMA/CD) having servers and clients connected thereto;**

reception means for enabling another client to receive a transmission request
and an object corresponding to said transmission request when one client generates

said transmission request of said object to a server and receives said object corresponding to said transmission request from said server;

a storage unit disposed inside said one client, for storing said transmission request and said object corresponding to said transmission request;

judgment means for judging whether or not said object corresponding to said transmission request is stored in said storage unit when said one client generates said transmission request to said server; and

object acquisition means for directly acquiring said object corresponding to said transmission request from said storage unit without passing through said local area network (LAN) when the judgment result of said judgment means is positive, and acquiring said object corresponding to said transmission request from said server through said local area network (LAN) when the judgment result of said judgment means is negative,

wherein each client comprises said reception means, said storage unit, said judgment means and said object acquisition means, and

wherein when said judgment means judges that the record of said transmission request of said object exists in said storage unit by determining if an internet protocol (IP) header, a transmission protocol (TCP) header and a uniform resource identification (URI) of said transmission request coincide with corresponding information of any one of the stored objects, said storage unit stores said transmission request of said object that said one client generates to

said server and said object corresponding to said transmission request, and
thereby collection processing of said object is executed.

Claim 2 has been amended as follows:

2. (Currently Amended) A traffic control system on a **local area network (LAN)** according to claim 1, wherein said object stored in said storage unit is of a predetermined kind set in advance.

Claim 3 has been amended as follows:

3. (Currently Amendment) A traffic control system on a **local area network (LAN)** according to claims 1 or 2, wherein said object stored in said storage unit is determined as an object corresponding to a transmission request generated from a client having an **internet protocol (IP)** address set in advance when all of the following conditions are met:

(i) a transmission side **internet protocol (IP)** address of a recorded transmission request coincides with a reception side **internet protocol (IP)** address of received data;

(ii) a reception side **internet protocol (IP)** address of said recorded transmission request coincides with a transmission side **internet protocol (IP)** address of received data;

(iii) a transmission side port address of said recorded transmission request coincides with a reception side port address of received data; and

(iv) a reception side port address of said recorded transmission request coincides with a transmission side port address of received data.

Claim 6 has been amended as follows:

6. (Currently Amendment) A method of controlling communication traffic on a local area network (LAN) of a carrier sense multiple access with collision detection system (CSMA/CD) type having servers and clients connected thereto, wherein each client can perform the steps of:

a first step of allowing another client to receive a transmission request and an object corresponding to said transmission request when one client generates said transmission request of said object to a server and receives said object corresponding to said transmission request from said server;

a second step of storing said transmission request and said object corresponding to said transmission request in a storage unit disposed inside said one client;

a third step of judging whether or not said object corresponding to said transmission request is stored in said storage unit when said one client generates said transmission request to said server; and

a fourth step of directly acquiring said object corresponding to said transmission request from said storage unit without passing through said local area network (LAN) when the judgment result of said third step is positive, and acquiring said object corresponding to said transmission request froze said server through said local area network (LAN) when the judgment result of said third step is negative [[.]] ; and

a fifth step of storing said transmission request of said object that said one client generates to said server and said object corresponding to said transmission request in said storage unit when it is judged that the record of said transmission request of said object exists in said storage unit by determining if an internet protocol (IP) header, a transmission protocol (TCP) header and a uniform resource identification (URI) of said transmission request coincide with corresponding information of ante of the stored objects, thereby collection processing-of said object is executed.

Claim 7 has been amended as follows:

7. (Currently Amendment) A method of controlling traffic on a local area network (LAN) according to claim 6, which further includes a step of selecting a predetermined kind of an object set in advance for said object stored in said storage unit.

Claim 8 has been amended as follows:

8. (Currently Amended) A method of controlling traffic on a **local area network** (LAN) according to claim 6 or 7, which further includes a step of selecting said object stored in said storage unit that corresponds to said transmission request generated from a client having an **internet protocol** (IP) address set in advance when all of the following conditions are met:

(i) a transmission side **internet protocol** (IP) address of a recorded transmission request coincides with a reception side **internet protocol** (IP) address of received data;

(ii) a reception side **internet protocol** (IP) address of said recorded transmission request coincides with a transmission side **internet protocol** (IP) address of received data;

(iii) a transmission side port address of said recorded transmission request coincides with a reception side port address of received data; and

(iv) a reception side port address of said recorded transmission request coincides with a transmission side port address of received data.

Claim 11 is amended as follows:

11. (Currently Amended) A computer-readable recording medium for use in a communication traffic control system on a **local area network** (LAN) of a **carrier sense multiple access with collision detection system** (CSMA/CD) type having servers and

clients connected thereto, recording therein a program for allowing a computer in each client to execute the following steps: ~~1 to 4~~:

~~the~~ a first step of allowing another client to receive a transmission request and an object corresponding to said transmission request when one client generates said transmission request of said object to a server and receives said object corresponding to said transmission request from said server;

~~the~~ a second step of storing said transmission request and said object corresponding to said transmission request in a storage unit disposed inside said one client;

~~the~~ a third step of judging whether or not said object corresponding to said transmission request is stored in said storage unit when said one client generates said transmission request to said server;

~~the~~ a fourth step of directly acquiring said object corresponding to said transmission request from said storage unit without passing through said local area network (LAN) when the judgment result of said third step is positive, and acquiring said object corresponding to said transmission request from said server through said local area network (LAN) when the judgment result of said third step is negative ~~[[.]]~~ ;
and

a fifth step of storing said transmission request of said object that said one client generates to said server and said object corresponding to said transmission request in said storage unit when it is judged that the record of said

transmission request of said object exists in said storage unit by determining if an internet protocol (IP) header, a transmission protocol (TCP) header and a uniform resource identification (URI) of said transmission request coincide with corresponding information of any one of the stored objects, thereby collection processing of said object is executed.

Claim 12 has been amended as follows:

12. (Currently Amended) A method of controlling traffic on a local area network (LAN) according to either of claims 1 or 2, wherein header information is generated when data of said transmission request of said object received from Internet Protocol satisfies the following conditions:

(i) a transmission side **internet protocol (IP)** address of a recorded transmission request coincides with a transmission side **internet protocol (IP)** address of received data;

(ii) a transmission side port address of said recorded transmission request coincides with a transmission side port address of received data; and

(iii) **uniform resource identification (URI)** of said recorded transmission request coincides with **uniform resource identification (URI)** of received data.

Claim 13 has been amended as follows:

13. (Currently Amendment) A traffic control system on a **local area network** (LAN) according to either of claims 6 or 7, wherein header information is generated when data of said transmission request of said object received from Internet Protocol satisfies the following conditions:

(i) a transmission side **internet protocol (IP)** address of a recorded transmission request coincides with a transmission side **internet protocol (IP)** address of received data;

(ii) a transmission side port address of said recorded transmission request coincides with a transmission side port address of received data; and

(iii) **uniform resource identification (URI)** of said recorded transmission request coincides with **uniform resource identification (URI)** of received data.

REASONS FOR ALLOWANCE

3. Claims 1-3, 6-8 and 11-13 are allowable over the prior art of record.

4. This communication warrants no examiner's reason for allowance, as applicant's reply makes evident the reason for allowance, satisfying the record as whole as required by rule 37 CFR 1.104 (e). In this case, the substance of applicant's remarks filed on 9/19/2005 with respect to the amended claim limitations point out the reason claims are patentable over the prior art of record. Thus, the reason for allowance is in all probability evident from the record and no statement for examiner's reason for allowance is necessary (see MPEP 13202.14).

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip B. Tran whose telephone number is (571) 272-3991. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.
7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Philip B. Tran
Primary Examiner
Art Unit 2155
December 08, 2005